

Date: Tue, 8 Jun 93 04:30:02 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #159
To: packet-radio

Packet-Radio Digest Tue, 8 Jun 93 Volume 93 : Issue 159

Today's Topics:

Higher radio speed from TNC2s? (2 msgs)
Logos
Packet HIGH SPEED HELP!
PK-88 Undocumented Commands?
WAMPES for DOS? (2 msgs)

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Mon, 7 Jun 1993 14:53:16 GMT
From: sdd.hp.com!col.hp.com!news.dtc.hp.com!srigenprp!glenne@network.UCSD.EDU
Subject: Higher radio speed from TNC2s?
To: packet-radio@ucsd.edu

Can someone give a summary of top external modem speeds available from
commercial TNCs? The subject line says TNC2s but I'd be interested in
AEA, Kantronics PacComm and other "custom" TNCs if they worked well.
Even if the modem doesn't have the modem disconnect connection and you
know that the digital side can handle the datarate I'd like to know
this.

Specifically I'm trying to find something cheap to use as an
alternative to the more expensive MIO digital interfaces which N6RCE has
designed and built for use with some of the faster radios I have,
particularly at high level/remote sites.

I'm hoping to be able to increase the clock speed by 2X (4X?) and
perhaps turn up the clock speed to the serial communications controller

chip in a TNC and get 38.4 kbps or faster performance. This is only one tenth of what the radios will do, but having only that is better than having radios sit unused on the bench or only beaconing at high speed.

Are there some inexpensive alternatives to this approach which I'm missing?

I don't think I can afford Gracilis solutions.

I've ordered an MFJ 1270B, which appears to be a TNC2 clone, and I'm planning on investigating the possibilities with it myself but I'd very much like to hear from anyone with direct experience. If another inexpensive TNC is better I'd certainly like to know that too.

Thanks for any help.

Glenn n6gn

Date: Mon, 7 Jun 1993 18:00:23 GMT
From: usc!howland.reston.ans.net!math.ohio-state.edu!cyber1.cyberstore.ca!van-bc!vanbc.wimsey.com!mdivax1!mdisea!jackb@network.UCSD.EDU
Subject: Higher radio speed from TNC2s?
To: packet-radio@ucsd.edu

In article <C89Aot.6rn@srngenprp.sr.hp.com> glenne@sr.hp.com (Glenn Elmore) writes:

>
> Can someone give a summary of top external modem speeds available from
>commercial TNCs? The subject line says TNC2s but I'd be interested in
>AEA, Kantronics PacComm and other "custom" TNCs if they worked well.
>Even if the modem doesn't have the modem disconnect connection and you
>know that the digital side can handle the datarate I'd like to know
>this.
>

Glenn;

I use a PacComm Micro-2 TNC with my 56K setup. The TNC runs WA4DSY's version of the KISS code (optimized for speed). The best I have been able to do is 56K to the modem, and 19.2K to the Macintosh. I tried the TNC at 38.4, but it had problems with interrupts interrupting interrupts, and then crashing (ah recursion...). The Z80 in the Micro-2 runs at 7.3728 MHz (if I remember right). Perhaps a higher speed Z80 (16MHz ?) might be able to handle it. Dale spent quite a bit of time optimizing the KISS code for buffer handling, so I doubt there is much more room for improvement there.

With the price of 68302s coming down, something like the Gracilis solution should prove quite interesting real soon. The venerable Z80

is good, but we are just trying to get it to move data faster than
it really can (and still handle the media access tasks).

--

=====
Jack Brindle
ham radio: wa4fib
internet: jackb@mdd.comm.mot.com

Date: 7 Jun 93 22:43:14 GMT
From: flop.ENG.RST.EDU!gaia.ucs.orst.edu!connected.com!beauty!nwnexus!
osburn@RUTGERS.EDU
Subject: Logos
To: packet-radio@ucsd.edu

I am looking for all types and kinds of logos. If anyone has any amateur
related logo's please let me know where I can get them please or where I
can ftp them or your can ftp them to me or uuencode. thanks

--

Tim Osburn KB7GBQ osburn@halcyon.com Bellevue, Washington |

Date: Mon, 7 Jun 1993 16:57:14 GMT
From: usc!howland.reston.ans.net!ux1.cso.uiuc.edu!newsrelay.iastate.edu!
news.iastate.edu!tarjan@network.UCSD.EDU
Subject: Packet HIGH SPEED HELP!
To: packet-radio@ucsd.edu

I am not into packet yet.. but I am looking at getting a packet modem.

What are the speeds and specs on the different modems.. and what is special
about each different types..

How fast can they go??

is 19.2 max? (this is in 2m or 440 or 1.2 Ghz.. any of the three..)

and I need to know operating ranges at 5 watts. and 35 watts..

Thanks

tarjan@iastate.edu
Scot Kight
(Its in the mail!)

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-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.1

mQCNAiuSvfsAAAAEEANedvpkX74z4wwGW9f1M10bhLHL6UNb08mpH0qlUIxaKsfYt

Date: Mon, 7 Jun 1993 13:49:20 GMT
From: ddsww1!chinet!megabyte@uunet.uu.net
Subject: PK-88 Undocumented Commands?
To: packet-radio@ucsd.edu

So far, I have found two comands, SQelch and OPMode, on my PK-88 that are not documented in the PK-88 manual. Does anyone know what they do and if there are any other undocumented commends?

--
"It is a pity that even a single drop of this noble
gift of God should be spilled" - J.S. Bach on wine
Mark E. Sunderlin: Technocrat in Winchester, VA KD4HRI
aka Dr. Megabyte: megabyte@chinet.chinet.com (703) 722-9330

Date: Mon, 7 Jun 1993 15:09:46 GMT
From: mintaka.lcs.mit.edu!n1jfu@yale.arpa
Subject: WAMPES for DOS?
To: packet-radio@ucsd.edu

Hello All!

I saw the post yesterday for wampes, and ftp'd it. I havent played with it yet, is it for DOS, or UNIX? I would love to hear a little more about what people think of it. tnx.

Steve N1JFU

Date: Mon, 7 Jun 1993 21:08:51 +0000
From: usc!howland.reston.ans.net!torn!bnrgate!bnr.co.uk!demon!
wise.demon.co.uk!simon@network.UCSD.EDU
Subject: WAMPES for DOS?
To: packet-radio@ucsd.edu

In article <1993Jun7.150946.11588@mintaka.lcs.mit.edu> n1jfu@gnu.ai.mit.edu writes:

>
> Hello All!
> I saw the post yesterday for wampes, and ftp'd it. I havent
> played with it yet, is it for DOS, or UNIX? I would love to hear a little more
> about what people think of it. tnx.

>
> Steve N1JFU
>

>
If it's "WAMPES" it's for UNIX, for a DOS box get WNOS that has a lot of wampes bits added to it. Look in /hamradio/packet/tcpip/wnos on ucsd.edu.

Regards

Simon

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+-----+
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| London SE27 9RZ     | BT NET  : 44 81 766 0120                                             |
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End of Packet-Radio Digest V93 #159
